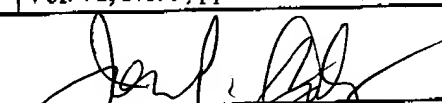



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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. VCUIP 9P1	SERIAL NO. 09/970,651
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT  Bowlin et al.	
		FILING DATE 10/5/01	GROUP 1651
JH	Modulation of Cardiac Myocyte Phenotype In Vitro by the Composition and Orientation of the Extracellular Matrix, Simpson et al., Journal of Cellular Physiology 161:89-105 (1994).		
	Electrospun Fiber Mats: Transport Properties, Gibson et al., Accepted AICHE, Oct. 98.		
	Electrospinning Polymer Fibers, Schreuder-Gibson, SSCNC-YM, U.S. Army Natick Research, Development and Engineering Center, 1997.		
	Neonatal Rat Heart Cells Cultured In Simulated Microgravity, Akins et al., In Vitro Cell. Dev. Biol. - Animal 33:337-334, May 1997.		
JH	Microgravity Tissue Engineering, Freed et al., In Vitro Cell. Dev. Biol. - Animal 33:381-385, May 1997.		
not prov.	<del>Establishment Of A Three-Dimensional Human Prostate Organoid Coculture Under Microgravity-Simulated Conditions: Evaluation Of Androgen-Induced Growth And PSA Expression, Zhou et al., In Vitro Cell. Dev. Biol. - Animal 33:375-380, May 1997.</del>		
JH	Three-Dimensional Culture Of Bovine Chondrocytes In Rotating-Wall Vessels, Baker et al., In Vitro Cell. Dev. Biol. - Animal 33:358-365, May 1997.		
JH	Skeletal Muscle Satellite Cells Cultured In Simulated Microgravity, Molnar et al., In Vitro Cell. Dev. Biol. - Animal 33:386-391, May 1997.		
	Myoblast Seeding In A Collagen Matrix Evaluated <i>in vitro</i> , van Wachem et al., Journal of Biomedical Materials Research, Vol. 30, 353-360 (1996).		
	Letter to the Editor, A Simplified Method For Tissue Engineering Skeletal Muscle Organoids <i>in vitro</i> , Shansky et al, In Vitro Cell. Dev. Biol. - Animal 33:659-661, October 1997.		
	Tissue Engineering Skeletal Muscle: Preparation Of Highly Dense, Highly Oriented Hybrid Muscular Tissues, Okano et al., Cell Transplantation, Vol. 7, No. 1, pp. 71-82, 1998.		
	Hybrid Muscular Tissues: Preparation Of Skeletal Muscle Cell-Incorporated Collagen Gels, Okano et al., Cell Transplantation, Vol. 6, No. 2, pp. 109-118, 1997.		
	Cardiomyocyte Transplantation In A Porcine Myocardial Infarction Model, Watanabe et al., Cell Transplantation, Vol. 7, No. 3, pp. 239-246, 1998.		
	Atomic Force Microscopy Of Structures Produced By Electrospraying Polymer Solutions, Morozov et al., International Journal of Mass Spectrometry 178, pp. 143-159, 1998.		
	Nanometre Diameter Fibres Of Polymer, Produced By Electrospinning, Reneker et al., Nanotechnology 7, pp. 216-223, 1996.		
	Collagen Fabrics As Biomaterials, Cavallaro et al, Biotechnology and Bioengineering, Vol. 43, pp. 781-791, 1994.		
	Mechanical Properties of Collagen Fibres: A Comparison Of Reconstituted And Rat Tail Tendon Fibres, Kato et al., Biomaterials, Vol. 10, Jan. 1989.		
	Formation Of Continuous Collagen Fibres: Evaluation Of Biocompatibility And Mechanical Properties, Kato et al., Biomaterials, Vol. 11, April 1990.		
	Regeneration In Grafts Of Normal And Denervated Rat Muscles, Carlson et al., Phluegers Arch, 353, pp. 215-225, 1975.		
JH	Isolation And Characterization of Human Muscle Cells, Blau et al., Proc. Natl. Acad. Sci. USA, Vol. 78, No. 9, pp. 5623-5627, September 1981.		
Examin r			Date Considered 31 Mar 03

Sheet 2 of 10

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. VCUIP 9P1	SERIAL NO. 09/970,651
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				Bowlin et al.	
				FILING DATE 10/05/01	GROUP 1651
		Cell Shape and Growth Regulation In Skeletal Muscle: Exogenous Versus Endogenous Factors, Vandeburgh, Journal Of Cellular Physiology 116:363-371, 1983.			
		Mechanical Stimulation Of Organogenic Cardiomyocyte Growth <i>in vitro</i> , Vandeburgh et al., The American Physiological Society, pp. c1284-1292, 1996.			
		Mechanically Induced Orientation Of Adult Rat Cardiac Myocytes In Vitro, Samuel et al., In Vitro Cell. Dev. Biol. 26:905-914, Sept. 1990.			
		In Vitro Model for Stretch-Induced Hypertrophy of Skeletal Muscle, Vandeburgh, Science, Vol. 203, pp. 265-268, January 19, 1979.			
		Engineering Smooth Muscle Tissue With A Predefined Structure, Kim et al., Department of Chemical Engineering, University Of Michigan, 1997.			
		Mechanically Induced Alterations In Cultured Skeletal Muscle Growth, Vandeburgh et al., J. Biomechanics, Vol. 24, Suppl. I, pp. 91-99, 1991.			
		Skeletal Muscle Growth Is Stimulated By Intermittent Stretch-Relaxation In Tissue Culture, Vandeburgh et al., American Physiological Society, pp. C674-C682, 1989.			
		Dynamic Mechanical Orientation Of Skeletal Myofibers In Vitro, Vandeburgh, Developmental Biology 93, pp 438-443, 1982.			
		Mechanical Forces And Their Second Messengers In Stimulating Cell Growth <i>in vitro</i> , Vandeburgh, American Physiological Society, pp. R350-355, 1992.			
		Attenuation Of Skeletal Muscle Wasting With Recombinant Human Growth Hormone Secreted From A Tissue-Engineered Bioartificial Muscle, Vandeburgh et al., Human Gene Therapy 9:2555-2564, November 1998.			
		Optimizing Seeding And Culture Methods To Engineer Smooth Muscle Tissue On Biodegradable Polymer Matrices, Kim et al., Biotechnology And Bioengineering, Vol. 57, No. 1, pp. 46-54, 1998.			
		Highly Oriented, Tubular Hybrid Vascular Tissue For A Low Pressure Circulatory System, Hirai, et al., ASAIO Journal, pp. M383-388, 1994.			
		Transplantation Of Genetically Marked Cardiac Muscle Cells, Gojo et al., The Journal Of Thoracic and Cardiovascular Surgery, Vol. 113, No. 1, pp. 10-18, 1997.			
Examiner		Date Considered			
[Signature]		31 Mar 03			

Sheet 3 of 10

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. VCUIP 9P1	SERIAL NO. 09/970,651		
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		Bowlín et al.				
		FILING DATE 10/05/01	GROUP 1651			
SW	Formation of Nascent Intercalated Disks Between Grafted Fetal Cardiomyocytes and Host Myocardium, Soonpaa et al., Science, Vol. 264, pp. 98-101, 1994.					
	Skeletal Myoblast Transplantation For Repair of Myocardial Necrosis, Murry et al., The American Society for Clinical Investigation, Inc., Vol. 98, No. 11, pp. 2512-2523, December 1996.					
	Long-Term Survival of AT-1 Cardiomyocyte Grafts In Syngeneic Myocardium, Koh et al., The American Physiological Society, pp. H1727-1733, 1993.					
	Natural History of Fetal Rat Cardiomyocytes Transplanted Into Adult Rat Myocardial Scar Tissue, Li et al., American Heart Association, Inc., Supplement II Circulation, Vol. 96, No. 9, pp. II-179 to II-187 November 1997.					
	In Vivo Survival and Function of Transplanted Rat Cardiomyocytes, Li et al., American Heart Association, Inc., Circulation Research, Vol. 78, No. 2, pp. 283-288, February 1996.					
	Effects of Static Axial Strain on the Tensile Properties and Failure Mechanisms of Self-Assembled Collagen Fibers, Pins et al., University of Medicine and Denistry of New Jersey, Robert Wood Johnson Medical School, pp. 1429-1440, December 22, 1997.					
	Self-Assembly of Collagen Fibers, Influence of Fibrillar Alignment and Decorin on Mechanical Properties, Pins et al., Biophysical Journal, Vol. 73, pp. 2164-2172, October 1997.					
	Type I Collagen in Solution, Silver et al., The Journal of Biological Chemistry, Vol. 255, No. 19, pp. 9427-9433, 1980.					
	Experimental Investigation of Scaling Laws for Electrospraying: Dielectric Constant Effect, Chen et al., Aerosol Science and Technology, 27:3, pp. 367-380, September 1997.					
SW	Electrospraying of Conducting Liquids for Monodisperse Aerosol Generation In the 4 nm to 1.8µm Diameter Range, Chen et al., Particle Technology Laboratory, Mechanical Engineering Department, University of Minnesota, pp. 963-977, 1995.					
SW	Electrospinning Process and Applications of Electrospun Fibers, Doshi et al., Journal of Electrostatics, 35, pp. 151-160, 1995.					
not provided	<del>Regeneration of the Completely Excised Gastrocnemius Muscle in the Frog and Rat From Minces Muscle Fragments, Carlson, J. Embryol. Exp. Morph., Vol. 125, pp 447-472.</del>					
SW	Tissue Engineering of Skeletal Muscle, Highly Dense, Highly Oriented Hybrid Muscular Tissues Biomimicking Native Tissues, ASAIO Journal 1997; 43:M749-M753.					
SW	Survival of Embryonic Cardiac Myocytes Transplanted Into Host Rat Soleus Muscle, Connold et al., Journal of Muscle Research and Cell Motility 16, 481-489, 1995.					
Examiner				Date Considered 31 Mar 03		

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. VCUIP 9P1	SERIAL NO. 09/970,651
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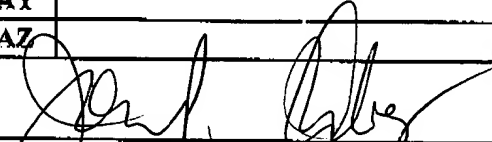
## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AM	AA	5,460,962	10/24/95	Kemp	435	238
	AB	5,378,469	1/3/95	Kemp et al.	424	423
	AC	5,256,418	10/26/93	Kemp et al.	424	423
	AD	4,043,331	8/23/77	Martin et al.	128	156
	AE	5,580,859	12/3/96	Felgner et al.	514	44
	AF	5,908,777	6/1/99	Lee et al.	435	320
	AG	5,787,567	8/4/98	Miyazaki	29	596
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## FOREIGN PATENT DOCUMENTS

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT Bowlin et al.	
		FILING DATE 10/05/01	GROUP 1651

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
<i>[Signature]</i>	AA 5,910,488	6/8/99	Nabel et al.	514	44	
	AB					
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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM						
	AN						
	AS						
	AT						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[Signature]</i>	AU	Tissue Engineered Skeletal Muscle: Preparation Of Highly Dense, Highly Oriented Hybrid Muscular Tissue, Okano, Cell Transplantation, Vol. 7, No. 1, pp. 71-82, 1998.
	AV	Regulation of New Blood Vessel Growth Into Ischemic Skeletal Muscle, Bush et al., Journal of Vascular Surgery, Vol. 28, No. 5, pp. 919-928, 1998.
	AW	Controlled Delivery Of Vascular Endothelial Growth Factor Promotes Neovascularization And Maintains Limb Function In A Rabbit Model Of Ischemia, Hopkins et al., Journal of Vascular Surgery, Vol. 27, No. 5, pp. 886-895, 1997.
	AX	Revascularization Of Skeletal Muscle Transplanted Into The Hamster Cheek Pouch: Electron Microscopy, Weiss et al., Microvascular Research, Vol. 26, pp. 65-73, 1983.
	AY	Mechanism Of Compensatory Hypertrophy In Skeletal Muscle Of The Rat, Gutmann et al., Experimental Neurology, Vol. 31, pp. 451-464, 1971.
	AZ	Identification Of Self-Renewing Myoblasts In the Progeny Of Single Human Muscle Satellite Cells, Baroffio et al., Differentiation, Vol. 60, pp 47-57, 1996.
	AU	Patterned Growth Of Neonatal Rat Heart Cells In Culture, Rohr et al., Circulation Research, Vol. 68, No. 1, pp. 114-130, 1991.
	AV	Cardiomyocyte Transplantation In A Porcine Myocardial Infarction Model, Watanabe et al., Cell Transplantation, Vol. 7, No. 3, pp. 239-246, 1998.
	AW	Hybrid Muscular Tissues: Preparation of Skeletal Muscle Cell-Incorporated Collagen Gels, Okano et al., Cell Transplantation, Vol. 6, No. 2, pp. 109-118, 1997.
<i>[Signature]</i>	AX	Myoblast Seeding In A Collagen Matrix Evaluated in vitro, Wachem t al., Journal of Biomedical Materials Research, Vol. 30, pp. 353-360, 1996.
Examiner <i>[Signature]</i>		Date Considered 3/14/03

Sheet 6 of 10

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		APPLICANT	
		Bowlin et al.	
		FILING DATE	GROUP
		10/05/01	1651

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JW	What Are The Residual Stresses Doing in Our Blood Vessels?*, Fung, Annals of Biomedical Engineering, Vol. 19, pp. 237-249, 1991.
F	Mechanical Properties of Synthetic Arterial Grafts*, Hasegawa et al., J. Biomechanics, Vol. 12, pp. 509-517, 1979.
	Poly(L-lactide): A Long Term Degradation Study In Vivo, Part III, Analytical Characterization, Pistner et al., Biomaterials, Vol. 14, No. 4, 1993.
	Chapter 5, Essential Physical Characteristics of Vascular Grafts, Stewart et al., Modern Vascular Grafts, pp. 115-132.
	Utilization of Composite Laminate Theory In The Design of Synthetic Soft Tissues for Biomedical Prostheses, Gershon et al., Butterworth-Heinemann Ltd., 1990
	Introducing A Selectively Biodegradable Filament Wound Arterial Prosthesis: A Short-Term Implantation Study, Cohn et al., Journal of Biomedical Materials Research, Vol. 26, pp. 1185-1205, 1992.
	Synthesis And Properties of Biodegradable Polymers Used As Synthetic Matrices For Tissue Engineering, Wong et al., Synthetic Biodegradable Polymer Scaffolds, Chapter 4, pp. 52-82, 1997.
	Generation of Polymer Nanofibers Through Electrospinning, Dietzel et al., Army Research Laboratory, June 1999.
	Engineering Design of Vascular Prostheses, How et al., Proc Instn Mechn Engrs, Vol. 206, pp 61-71, 1992.
	Generation of Synthetic Elastin-Mimetic Small Diameter Fibers and Fiber Networks, Huang et al., Macromolecules 2000, 33, 2989-2997, 2000.
	Dynamic Mechanical Conditioning of Collagen-Gel Blood Vessel Constructs Induces Remodeling In Vitro, Seliktar et al., Annals of Biomedical Engineering, Vol. 28, pp. 351-362, 2000.
	Vascular Mechanics, Dobrin, Handbook of Physiology ~ The Cardiovascular System III.
	Relation of Structure to Function of the Tissues of the Wall of Blood Vessels, Burton, Physiological Reviews, Vol. 34, No. 4, Oct. 1954.
	Mechanical Stress-Induced Orientation and Ultrastructural Changes of Smooth Muscle Cells Cultured In Three-Dimensional Collagen Lattices, Kanda et al., Cell Transplantation, Vol. 3, No. 6, pp. 481-492, 1994.
	The Cardiovascular System, Section 2, Vol. II, Bohr et al., Handbook of Physiology, American Physiological Society, 1980.
	Functional Arteries Grown in Vitro, Niklason et al., Science, Vol. 284, April 16, 1999.
	Lab-Grown Organs Begin To Take Shape, Ferber, Science, Vol. 284, April 16, 1999.
	Creation of Viable Pulmonary Artery Autografts Through Tissue Engineering, Shinoka et al., The Journal of Thoracic and Cardiovascular Surgery, Vol. 115, No. 3, pp. 536-546, 1998.
JW	The Degree of Nonlinearity and Anisotropy of Blood Vessel Elasticity, Zhou et al., Proc. Natl. Acad. Sci. USA, Vol. 94, pp. 14255-14260, Dec. 1997.
Examiner	Date Considered 3/ Mar 03

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO.	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		VCUIP 9P1	09/970,651
		APPLICANT	
		Bowlín et al.	
		FILING DATE	GROUP
		10/05/01	1651

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

[Signature]	Mechanical Factors Predisposing To Intimal Hyperplasia And Medial Thickening In Autogenous Vein Grafts, Dobrin et al., Surgery, pp. 393-400, March 1989.
	A New Approach To Mechanical Testing And Modeling Of Biological Tissues, With Application To Blood Vessels, Brossollet et al., Journal of Biomechanical Engineering, Vol. 118, pp. 433-439, November 1996.
	Mechanical Issues In Vascular Grafting: A Review, Brossollet, The International Journal of Artificial Organs, Vol. 15, No. 10, pp. 579-584, 1992.
	Essential Physical Characteristics of Vascular Grafts, Chapter 5, Stewart et al., Modern Vascular Grafts.
	An Alternate Formulation of Blood Vessel Mechanics and the Meaning of the In Vivo Property, Brossollet et al., J. Biomechanics, Vol. 28, No. 6, Pp. 679-687, 1995.
	On Matching Compliance Between Canine Carotid Arteries and Polyurethane Grafts, Shu et al., Artificial Organs, 21(12): 1247-1254, 1997.
	Fourth International Congress Of Biorheology Symposium on Mechanical Properties of Living Tissues, Bauer et al., Biorheology, 19, 409-424, 1982.
[Signature]	New Graft Materials and Concurrent Approaches To An Acceptable Small Diameter Vascular Graft, Yeager et al., Trans Am Soc Artif Intern Organs, Vol. XXXIV, pp. 88-94, 1988.
not provided	<del>Isotropy And Anisotropy Of The Arterial Wall, Weizsaker et al., J. Biomechanics, Vol. 21, No. 6, Pp. 477-487, 1988.</del>
[Signature]	Technique To Control pH in Vicinity of Biodegrading PLA-PGA Implants, Agrawal et al., Orthopaedic Bioengineering, Department of Orthopaedics, pp. 105-114, 1996.
	Fibroblast Traction As A Mechanism For Collagen Morphogenesis, Harris et al., Nature, Vol. 290, pp. 249-251, 1981.
	Culture of Human Endothelial Cells, Jaffe, Transplantation Proceedings, Vol. Xii, No. 3, Suppl. 1, pp. 49-53, 1980.
	Mechanisms and Dynamics of Mechanical Strengthening In Ligament-Equivalent Fibroblast-Populated Collagen Matrices, Huang et al., Annals of Biomedical Engineering, Vol. 21, pp. 289-305, 1993.
	The Extracellular Matrix and the Control of Proliferation of Vascular Endothelial and Vascular Smooth Muscle Cells, Gospodarowicz et al., Journal of Supramolecular Structure 13:339-372 (1980).
	Fibroblast Behavior on Gels of Type I, III, and IV Human Placental Collagens, Tiollier et al., Experimental Cell Research 191, 95-104 (1990).
	Isolation of Putative Progenitor Endothelial Cells for Angiogenesis, Asahara et al., Science, February 14, 1997, Vol. 275, pp. 964-967.
	Vascular Development: Cellular and Molecular Regulation, Beck Jr., et al., The FASEB Journal, Vol. 11, April 1997, pp. 365-373.
	Therapeutic Angiogenesis, Takeshita et al., The American Society for Clinical Investigation, Inc. Vol. 93, Feb. 1994, pp. 662-670.
	Manipulating Angiogenesis, From Basic Science to the Bedside, Pepper, Arteriosclerosis, Thrombosis, and Vascular Biology, Vol. 17, No. 4, pp. 605-619, April 1997.
[Signature]	Creation of Viable Pulmonary Artery Autografts Through Tissue Engineering, Shinoka et al., The Journal of Thoracic and Cardiovascular Surgery, Vol. 115, No. 3, pp. 536-546, 1998.
Examiner [Signature]	Date Considered 3/ Mar 03

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. VCUP 9P1	SERIAL NO. 09/970,651
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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
JW	AA 4,657,793	4/14/87	Fisher	428	36	2/25/86
	AB 4,044,404	8/30/77	Martin et al.	3	19	8/1/75
	AC 6,057,137	5/2/00	Tranquillo et al.	435	174	10/4/96
	AD 6,106,913	8/22/00	Scardino et al.	428	36.3	10/8/98
	AE 6,110,590	8/29/00	Zarkoob et al.	428	364	6/12/98
	AF 5,935,437	8/10/99	Whitmore	210	321.6	9/23/97
	AG 5,912,177	6/15/99	Turner	435	455	4/8/97
	AH 6,096,309	8/1/00	Prior et al.	424	94.63	6/17/98
JW	AI 5,292,362	3/8/94	Bass	106	124	7/9/91
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## FOREIGN PATENT DOCUMENTS

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						Yes	No
	AM						
	AN						
	AO						
	AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JW	AU	Fibrin gel as a three dimensional matrix in cardiovascular tissue engineering, Ye et al., European Journal of Cardio-thoracic Surgery, 17 (2000) 587-591.				
	AV	Plasma Concentrate Sealant, PlasmaSeal's Autologous Plasma Concentrate, <a href="http://www.plasmaseal.com/intro.htm">www.plasmaseal.com/intro.htm</a> , 6/14/00.				
	AW	Experimental Suture Of The Peripheral Nerves With Fibrin Glue, Ventura et al., Clinical Orthopaedics, University of Milan.				
	AX	The Use of Collagen Polymer Tube and Fibrin Clot in Peripheral Nerve Repair, Chen et al., National Science Council, ROC, Part B: Life Sciences, Vol. 18, No. 2, 1994, pp 58-63.				
	AY	Exogenous Fibrin Matrix Precursors Stimulant the Temporal Progress of Nerve Regeneration Within a Silicon Chamber, Williams, Neurochemical Research, Vol. 12, No. 10, 1987, pp. 851-860.				
JW	AZ	Fibrinogen and fibrin in strong magnetic fields. Complementary results and discussion, Freyssinet et al., Biochimie, 1984, Vol. 66, pp. 81-85.				
not prov.	AZ	Composite Cell/Tissue Replacement for Nerve and Pressure Sore Repair, Sabelman et al., <a href="http://www.guide.stanford.edu/Publications/clinB.html">www.guide.stanford.edu/Publications/clinB.html</a> 6/13/00				
not prov.	AZ	Fibrin Microbeads (FMB) as biodegradable microcarriers for cultured cells and wound healing, Gorodetsky, HADASSAH medical organization website				
JW	AZ	Effects of fibrin micromorphology on neurite growth from dorsal root ganglia cultured in three-dimensional fibrin gels, Herbert et al., 1998 John Wiley & Sons, Inc., CCC 0021-9304/98/040551-09.				
JW	AZ	Fibrin Sealant Matrix Supports Outgrowth Of Peripheral Sensory Axons, Zeng et al., Scand J Plast Reconstru Hand Surg. 29: 199-204, 1995.				
Examiner				Date Considered		
John H. Thomas				31 Mar 03		





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<b>Form PTO-1449</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DKT. NO.</b> VCUIP 9P1	<b>SERIAL NO.</b> 09/970,651
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## U.S. PATENT DOCUMENTS

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	AS						
	AT						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JD</i>	AU	S. B. Warner, et al., National Textile Center Annual Report, M98-D01, 1 (1999).
<i>not prior</i>	AV	<del>L.D. Stitzel, et al., J. Biomaterials Applications, In. Press (2000).</del>
<i>not prior</i>	AW	<del>L.T. Sparrow, et al., Biochemistry 31, 1065 (1992).</del>
<i>JD</i>	AX	W. Thumb et al., Spectrochimica Acta 55A, 2729 (1999).
	AY	
	AZ	
Examiner <i>John H. Thomas</i>		Date Considered <i>31 Mar 03</i>